

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069050.D
 Acq On : 03 May 2021 19:12
 Operator : VA/SY
 Sample : M2239-01
 Misc : 6.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 04 04:15:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 03:51:01 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

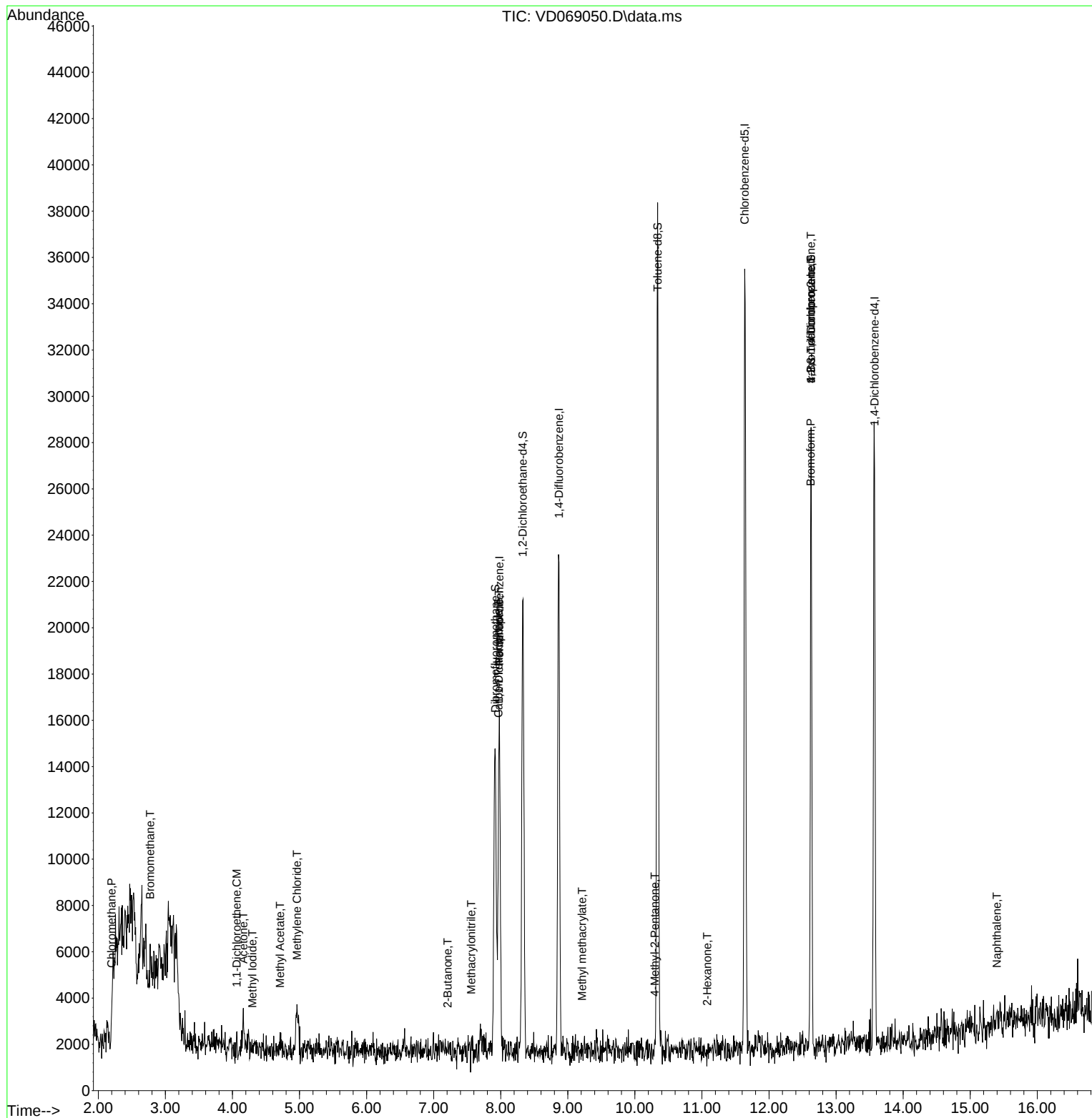
Internal Standards						
1) Pentafluorobenzene	7.979	168	10528	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	18807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	19716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	7425	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	15623	117.50	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 235.00%#			
35) Dibromofluoromethane	7.920	113	10341	83.15	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 166.30%#			
50) Toluene-d8	10.338	98	23571	51.17	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.34%			
62) 4-Bromofluorobenzene	12.626	95	7593	48.83	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.66%			
Target Compounds						Qvalue
3) Chloromethane	2.197	50	366	2.33	ug/l	# 41
5) Bromomethane	2.773	94	663	6.00	ug/l	# 70
10) Methyl Iodide	4.297	142	84	1.71	ug/l	# 41
12) 1,1-Dichloroethene	4.062	96	136	1.24	ug/l	# 1
16) Acetone	4.162	43	1656	78.60	ug/l	95
18) Methyl Acetate	4.709	43	702	12.67	ug/l	# 43
20) Methylene Chloride	4.962	84	1190	2.19	ug/l	# 76
25) 2-Butanone	7.209	43	179	6.03	ug/l	# 39
36) 1,1-Dichloropropene	7.973	75	1008	5.39	ug/l	# 41
38) Carbon Tetrachloride	7.967	117	1288	6.42	ug/l	# 12
41) Methacrylonitrile	7.561	41	68	1.63	ug/l	# 1
48) Methyl methacrylate	9.214	41	64	1.83	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.297	43	91	1.27	ug/l	# 30
59) 2-Hexanone	11.079	43	76	1.56	ug/l	# 19
71) Bromoform	12.620	173	129	1.68	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	4483	63.24	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	4483	149.73	ug/l	# 16
95) Naphthalene	15.396	128	513	2.17	ug/l	# 69

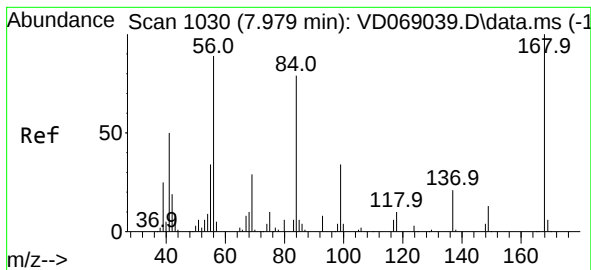
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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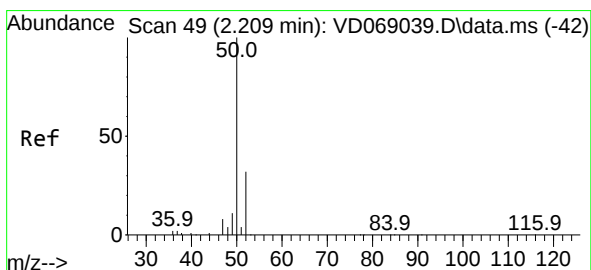
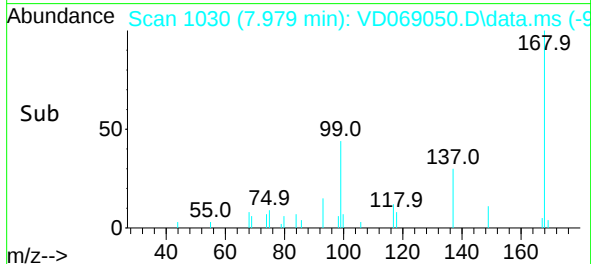
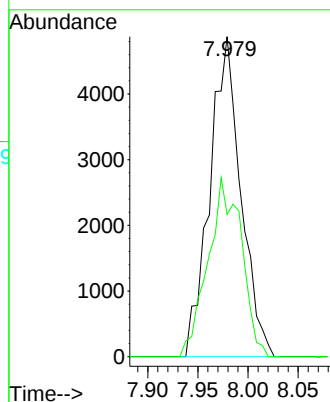
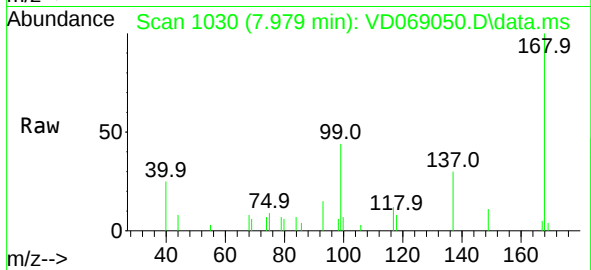




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

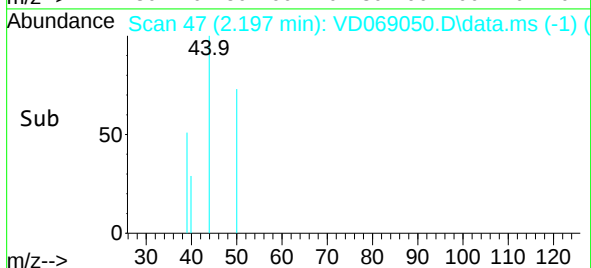
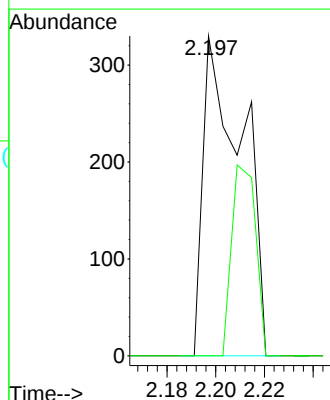
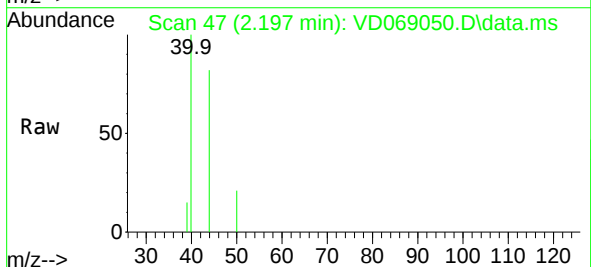
Instrument :
MSVOA_D
ClientSampled :

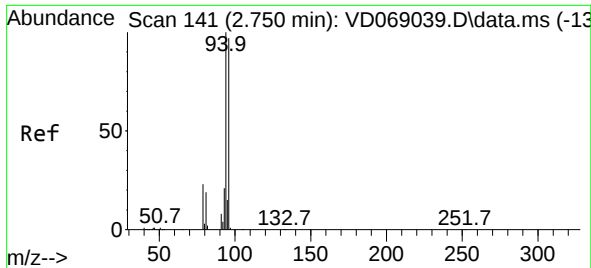
Tgt Ion:168 Resp: 10528
Ion Ratio Lower Upper
168 100
99 44.5 46.2 69.2#



#3
Chloromethane
Concen: 2.33 ug/l
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

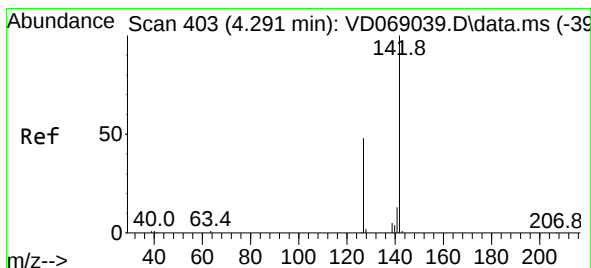
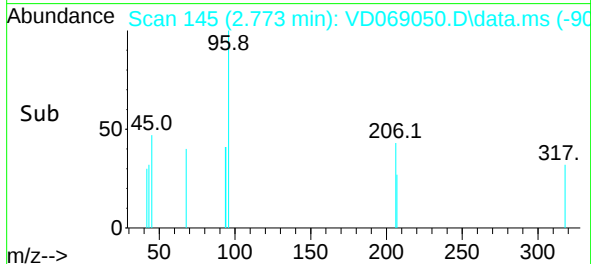
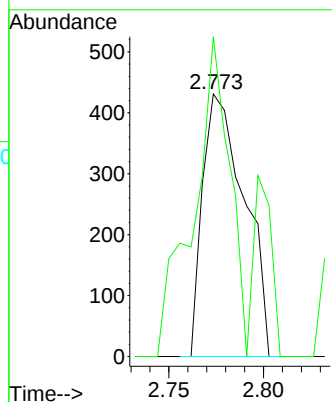
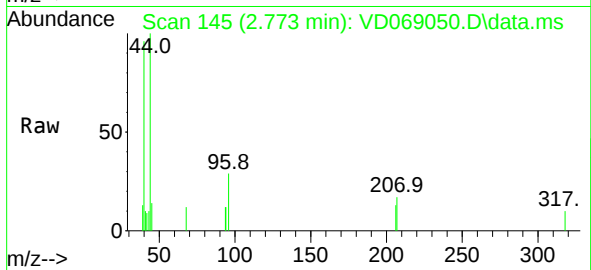




#5
Bromomethane
Concen: 6.00 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.023 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

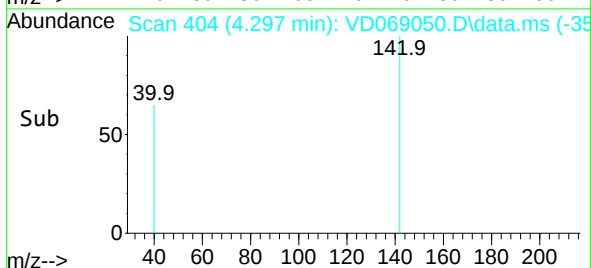
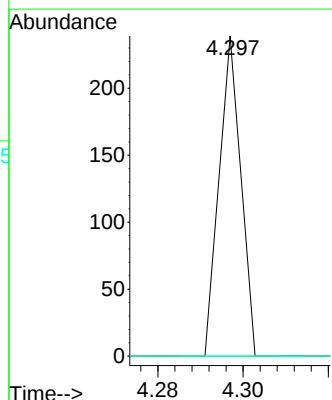
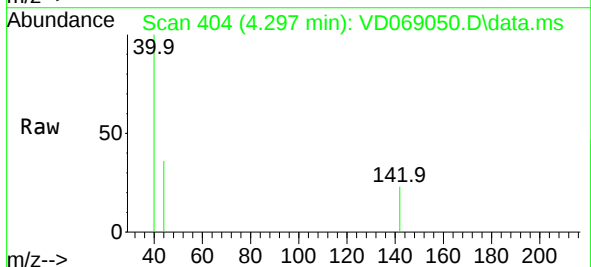
Instrument :
MSVOA_D
ClientSampleId :

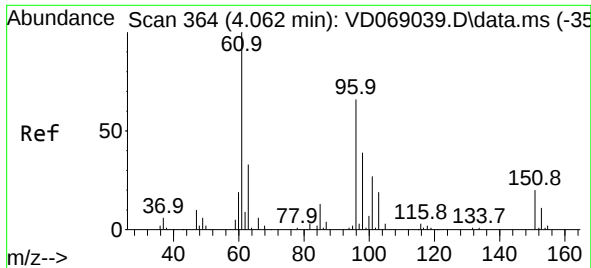
Tgt Ion: 94 Resp: 663
Ion Ratio Lower Upper
94 100
96 121.8 74.7 112.1#



#10
Methyl Iodide
Concen: 1.71 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.006 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Tgt Ion: 142 Resp: 84
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

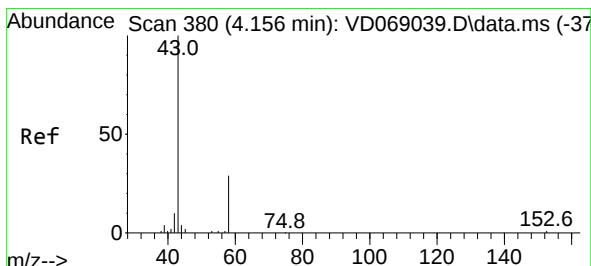
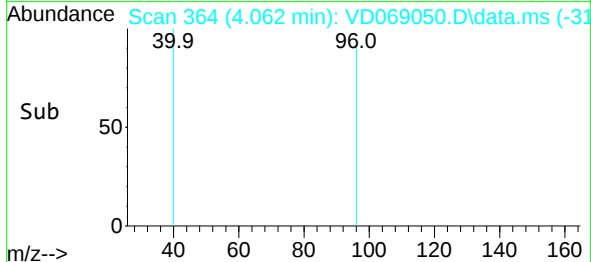
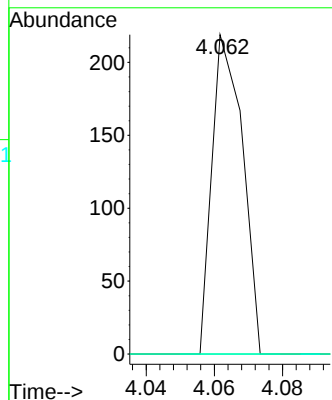
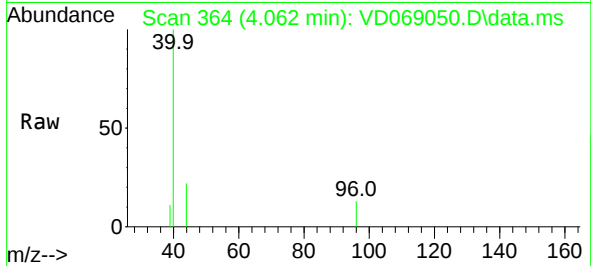




#12
 1,1-Dichloroethene
 Concen: 1.24 ug/l
 RT: 4.062 min Scan# 364
 Delta R.T. -0.000 min
 Lab File: VD069050.D
 Acq: 03 May 2021 19:12

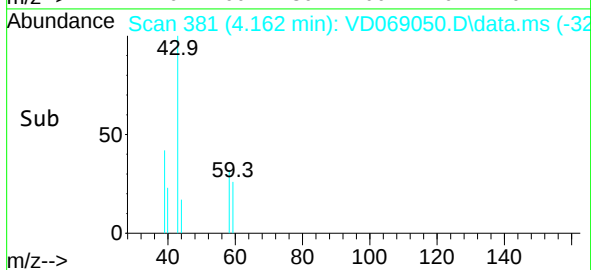
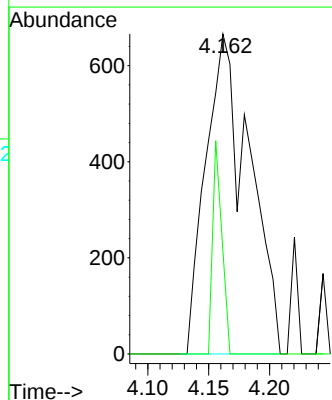
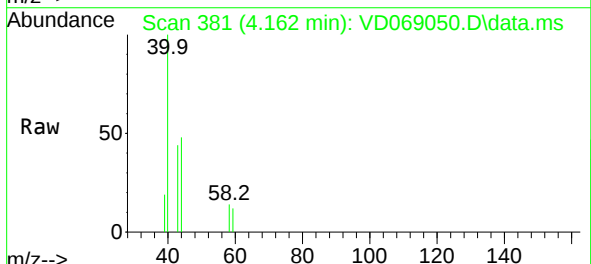
Instrument :
 MSVOA_D
 ClientSampleId :

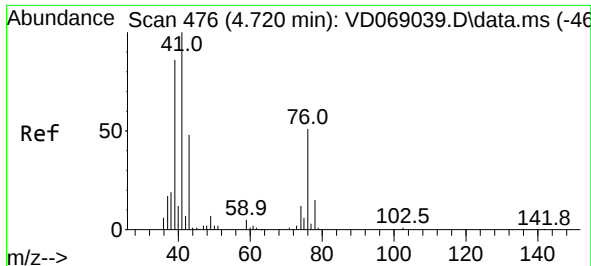
Tgt Ion: 96 Resp: 136
 Ion Ratio Lower Upper
 96 100
 61 0.0 112.2 168.2#
 98 0.0 50.2 75.2#



#16
 Acetone
 Concen: 78.60 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD069050.D
 Acq: 03 May 2021 19:12

Tgt Ion: 43 Resp: 1656
 Ion Ratio Lower Upper
 43 100
 58 32.1 28.0 42.0





#18

Methyl Acetate

Concen: 12.67 ug/l

RT: 4.709 min Scan# 474

Delta R.T. -0.011 min

Lab File: VD069050.D

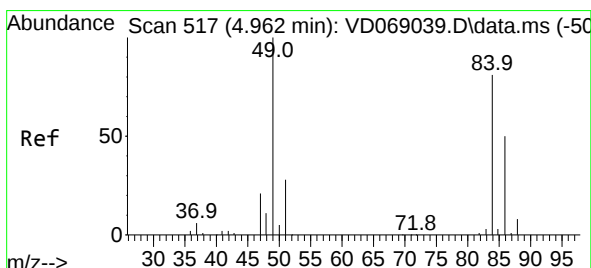
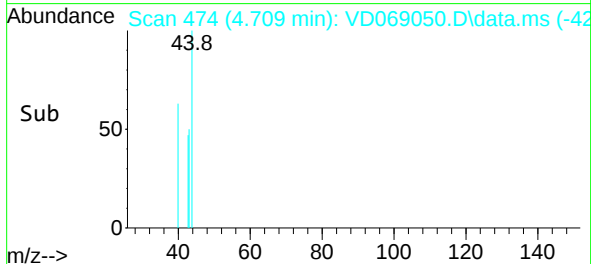
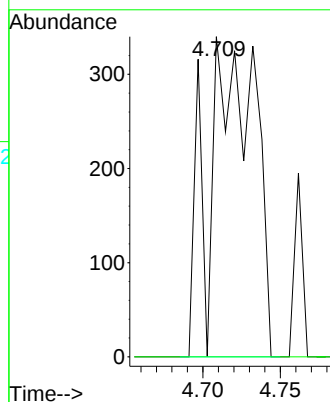
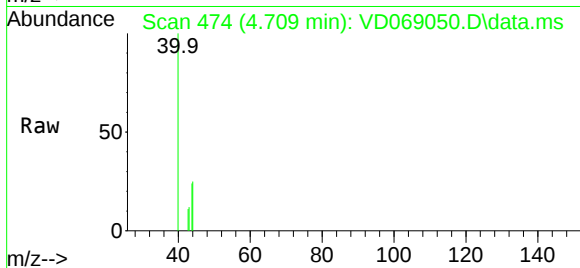
Acq: 03 May 2021 19:12

Tgt Ion: 43 Resp: 702

Ion Ratio Lower Upper

43 100

74 0.0 25.4 38.2#



#20

Methylene Chloride

Concen: 2.19 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD069050.D

Acq: 03 May 2021 19:12

Tgt Ion: 84 Resp: 1190

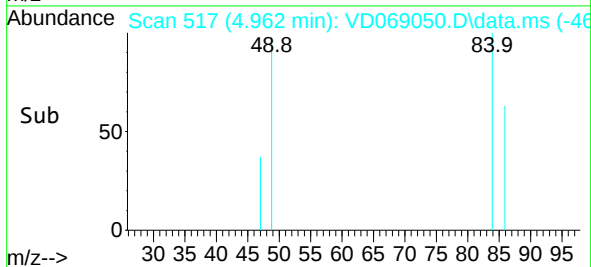
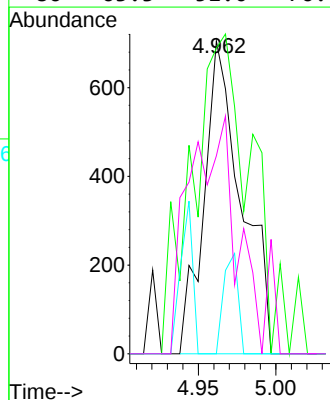
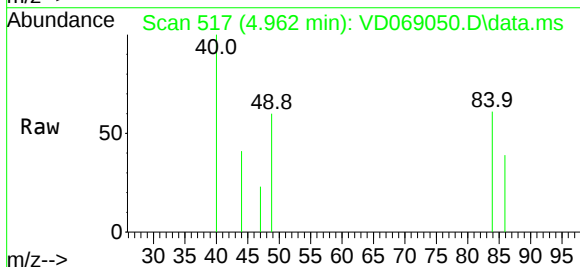
Ion Ratio Lower Upper

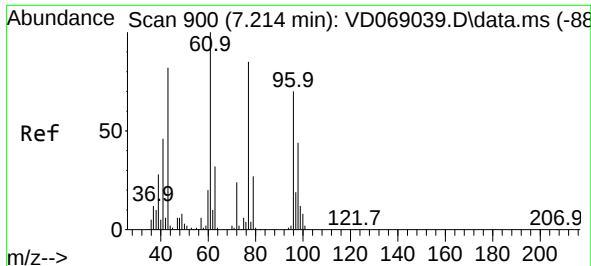
84 100

49 74.5 83.4 125.0#

51 0.0 23.4 35.2#

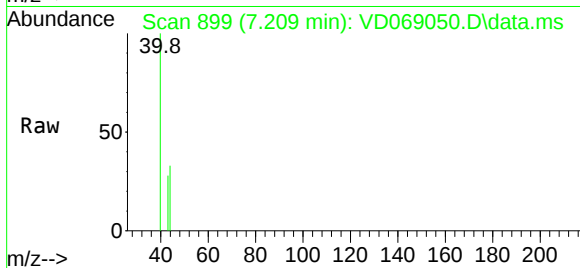
86 63.3 51.0 76.4



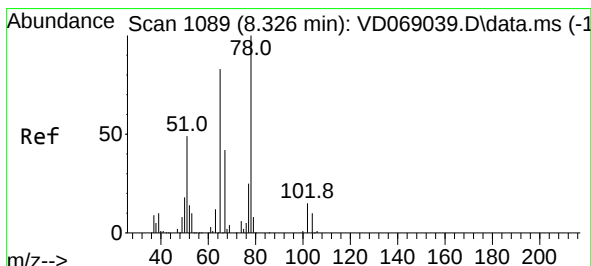
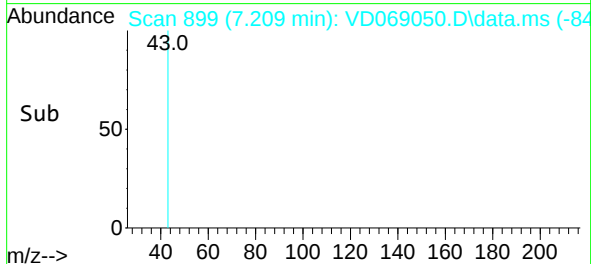
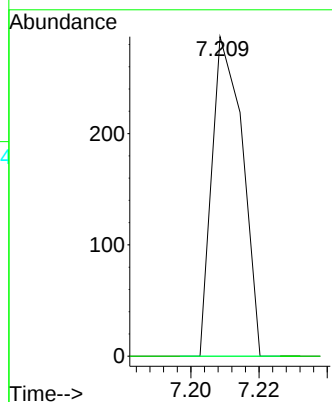


#25
2-Butanone
Concen: 6.03 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Instrument :
MSVOA_D
ClientSampled :

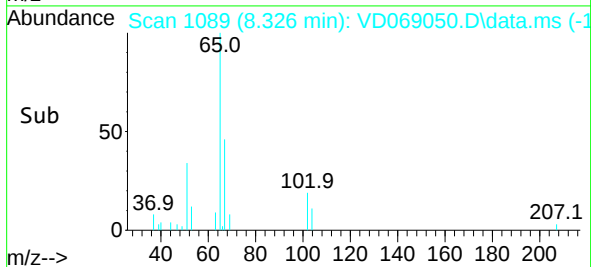
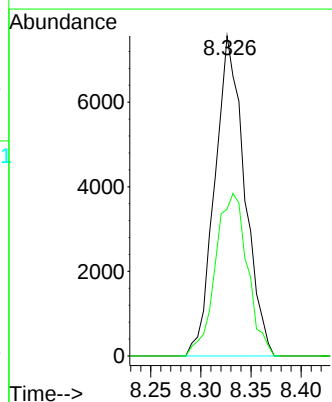
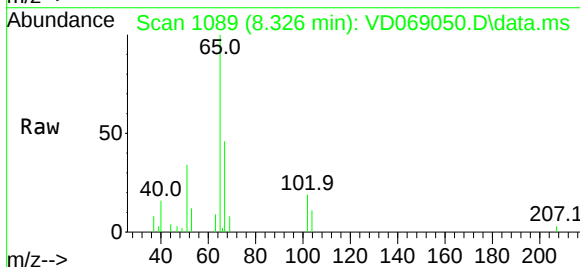


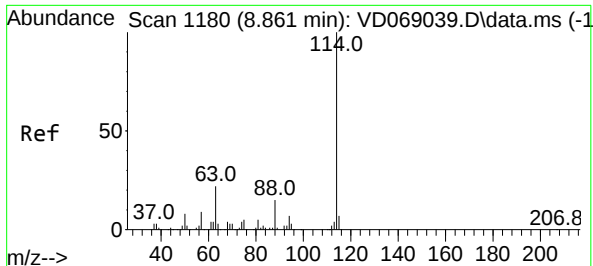
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
72 0.0 28.6 43.0#



#33
1,2-Dichloroethane-d4
Concen: 117.50 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

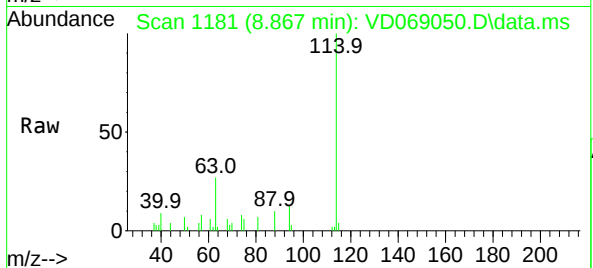
Tgt Ion: 65 Resp: 15623
Ion Ratio Lower Upper
65 100
67 54.7 0.0 106.0



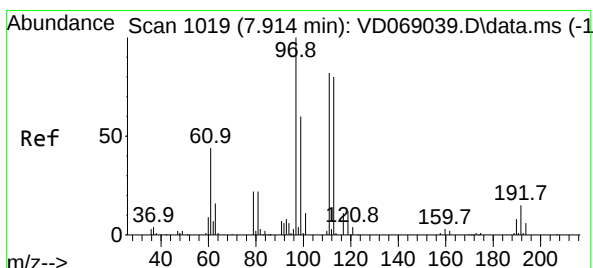
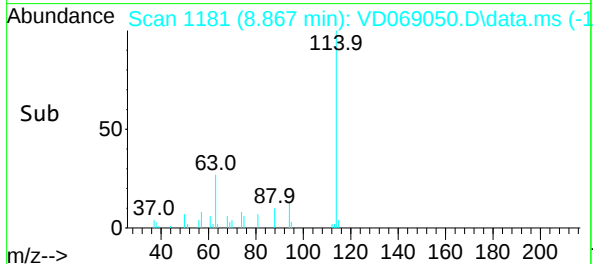
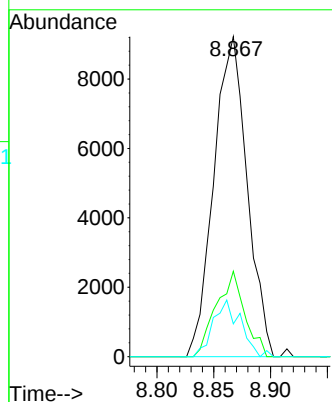


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

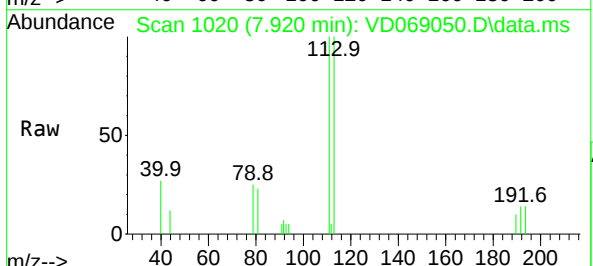
Instrument :
MSVOA_D
ClientSampled :



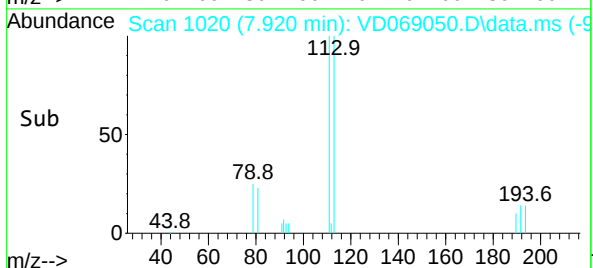
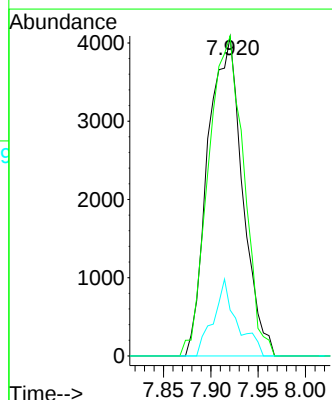
Tgt Ion:114 Resp: 18807
Ion Ratio Lower Upper
114 100
63 26.7 0.0 38.2
88 10.3 0.0 29.4

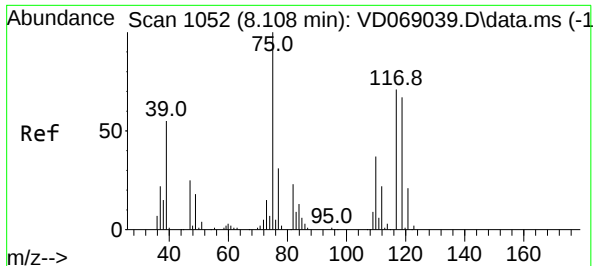


#35
Dibromofluoromethane
Concen: 83.15 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12



Tgt Ion:113 Resp: 10341
Ion Ratio Lower Upper
113 100
111 102.2 82.5 123.7
192 16.3 15.1 22.7

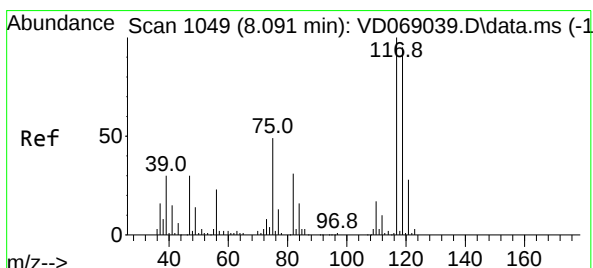
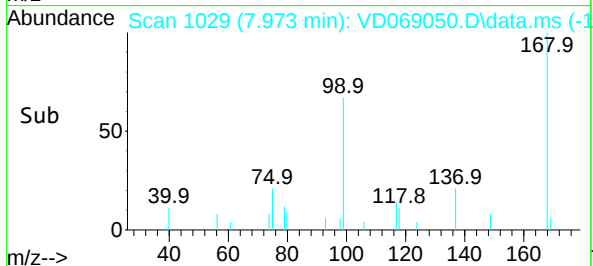
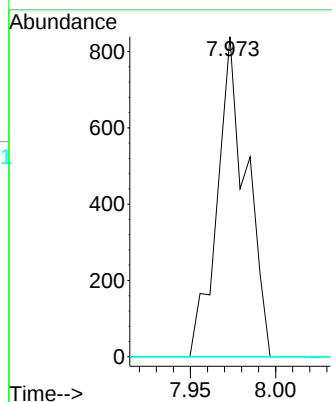
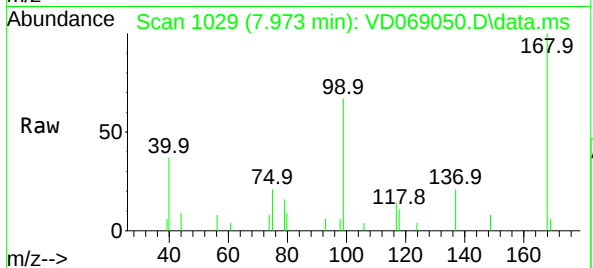




#36
1,1-Dichloropropene
Concen: 5.39 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

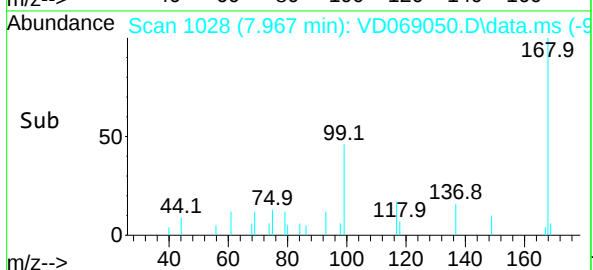
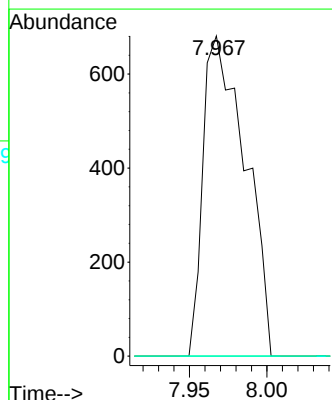
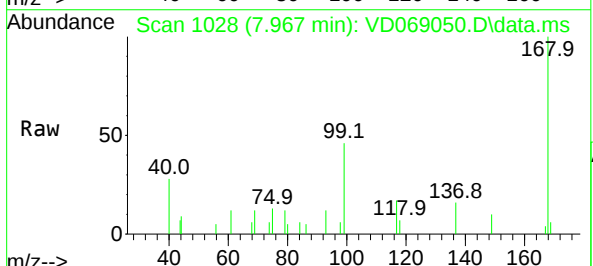
Instrument :
MSVOA_D
ClientSampled :

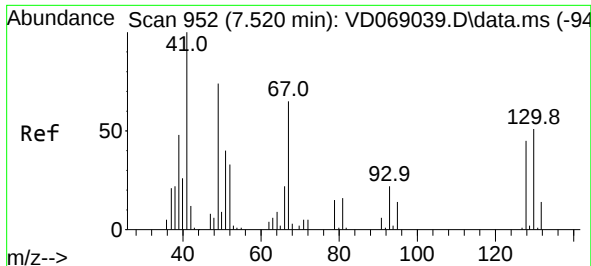
Tgt Ion: 75 Resp: 1008
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.42 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Tgt Ion: 117 Resp: 1288
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#

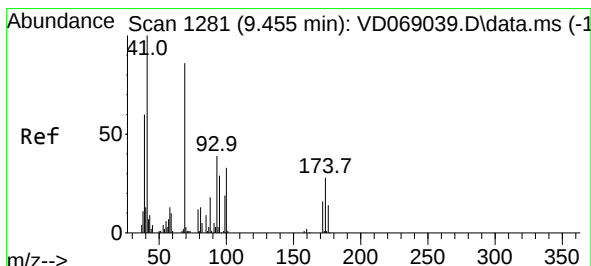
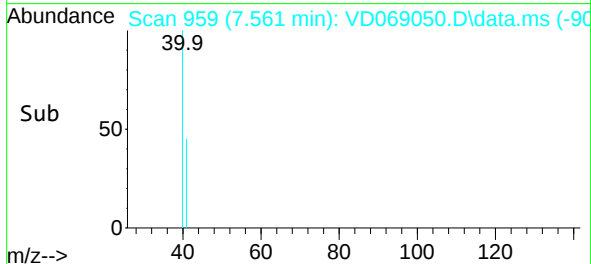
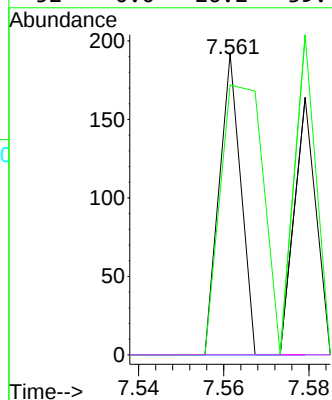
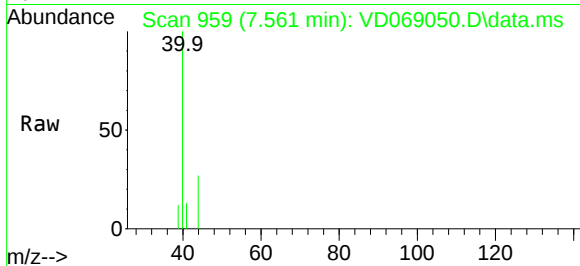




#41
Methacrylonitrile
Concen: 1.63 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.041 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

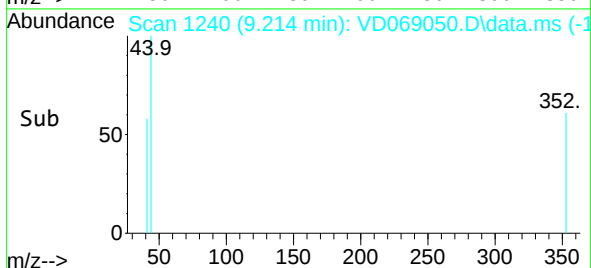
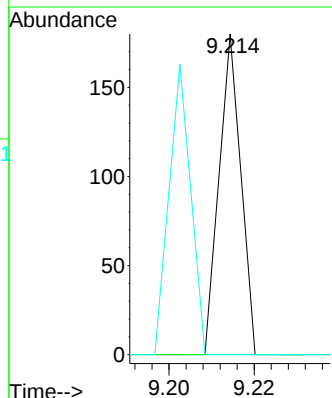
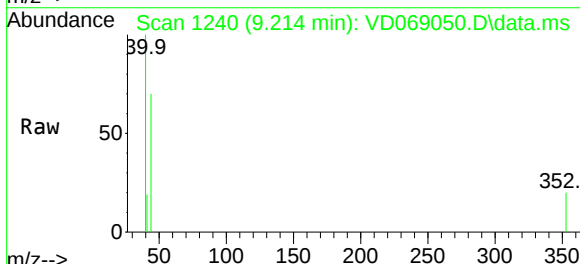
Instrument :
MSVOA_D
ClientSampled :

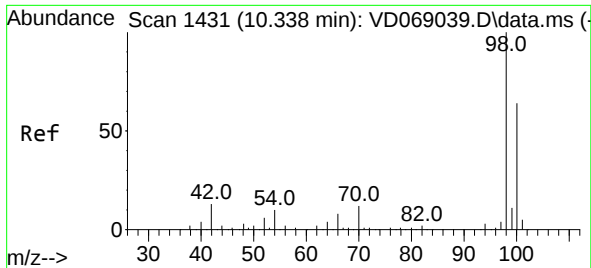
Tgt Ion:	41	Resp:	68
Ion	Ratio	Lower	Upper
41	100		
39	176.5	43.2	64.8#
67	0.0	63.9	95.9#
52	0.0	26.2	39.4#



#48
Methyl methacrylate
Concen: 1.83 ug/l
RT: 9.214 min Scan# 1240
Delta R.T. -0.241 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Tgt Ion:	41	Resp:	64
Ion	Ratio	Lower	Upper
41	100		
69	0.0	83.0	124.6#
39	90.6	47.0	70.6#

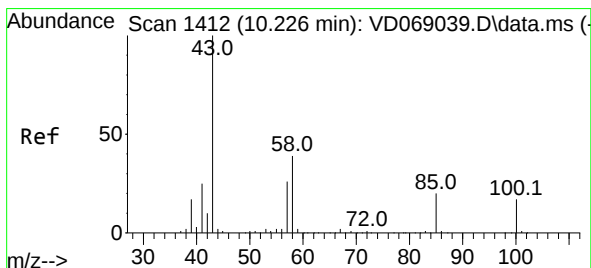
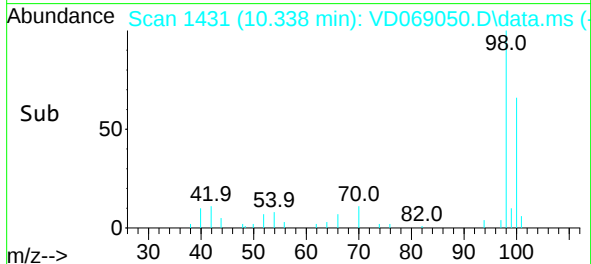
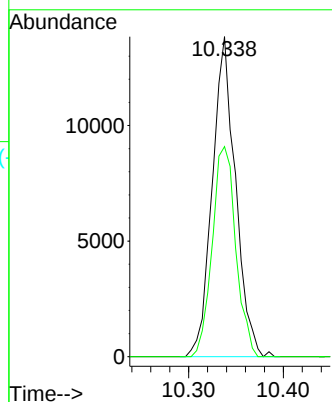
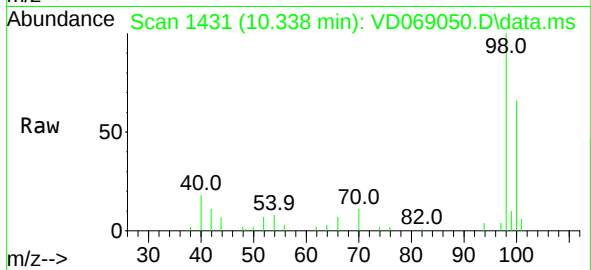




#50
Toluene-d8
Concen: 51.17 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

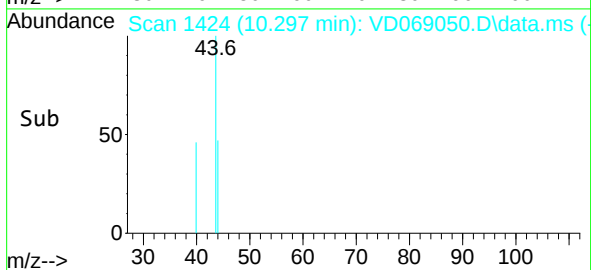
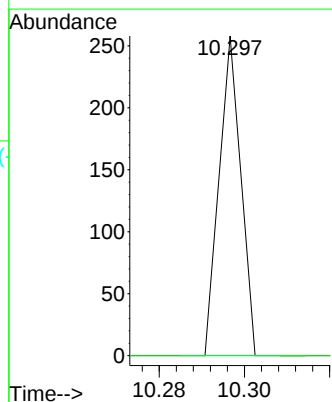
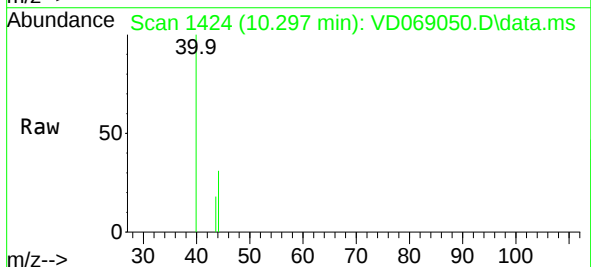
Instrument :
MSVOA_D
ClientSampled :

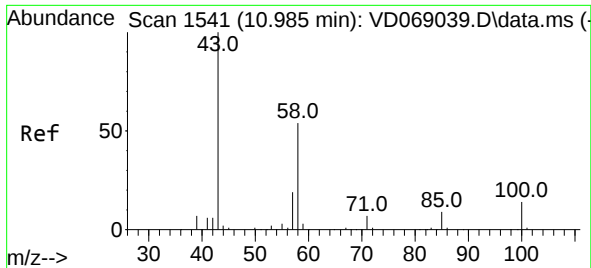
Tgt Ion: 98 Resp: 23571
Ion Ratio Lower Upper
98 100
100 66.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.27 ug/l
RT: 10.297 min Scan# 1424
Delta R.T. 0.071 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#

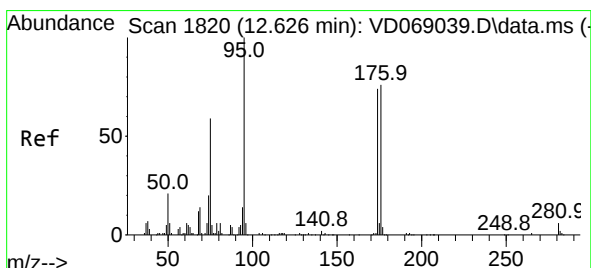
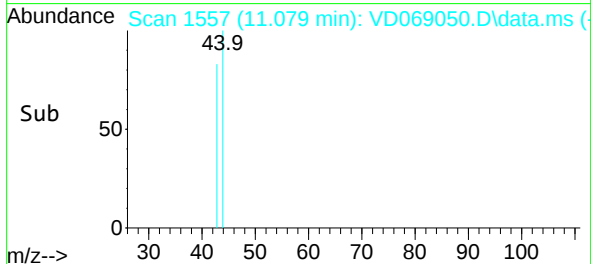
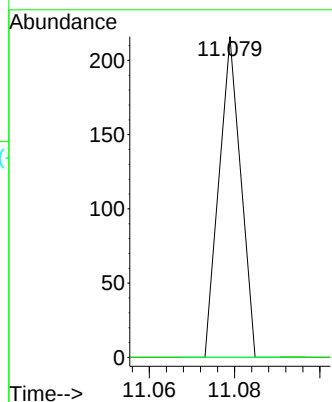
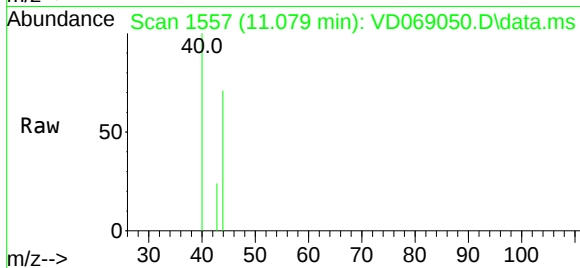




#59
2-Hexanone
Concen: 1.56 ug/l
RT: 11.079 min Scan# 1557
Delta R.T. 0.094 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

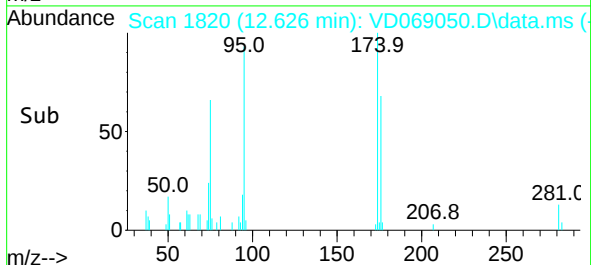
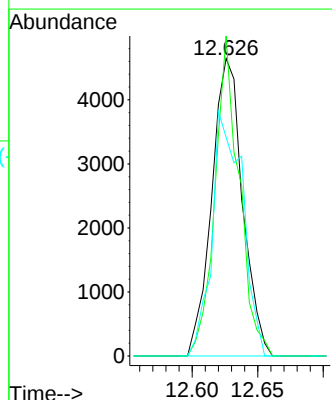
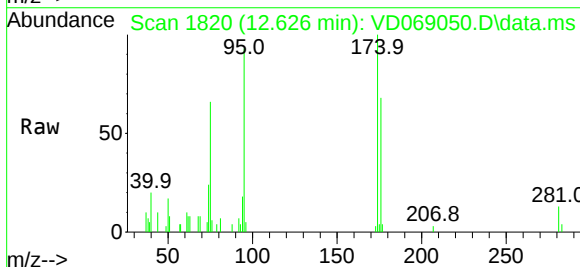
Instrument :
MSVOA_D
ClientSampled :

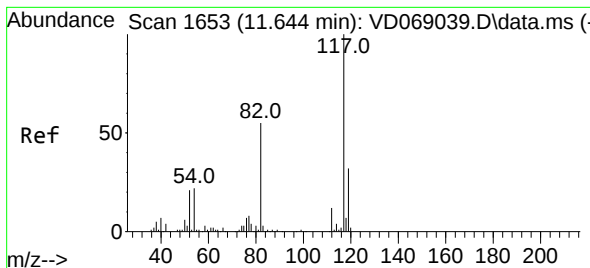
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 48.83 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

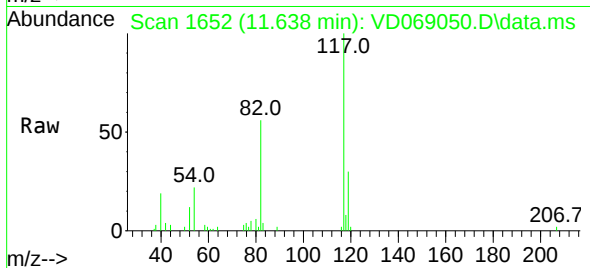
Tgt Ion: 95 Resp: 7593
Ion Ratio Lower Upper
95 100
174 84.6 0.0 168.0
176 81.2 0.0 160.2



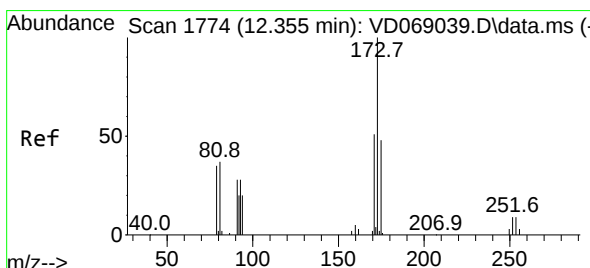
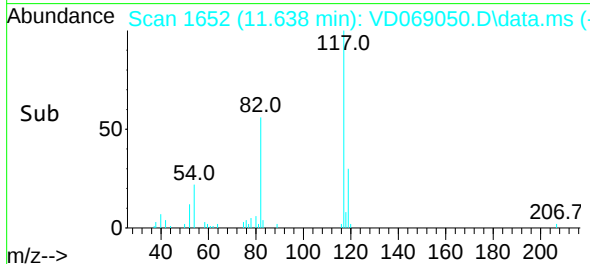
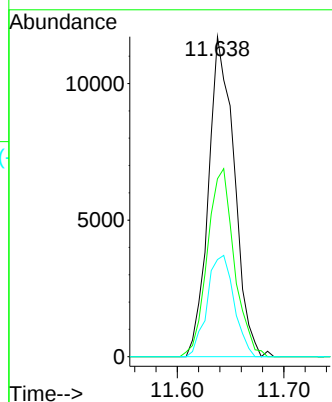


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Instrument :
MSVOA_D
ClientSampleId :

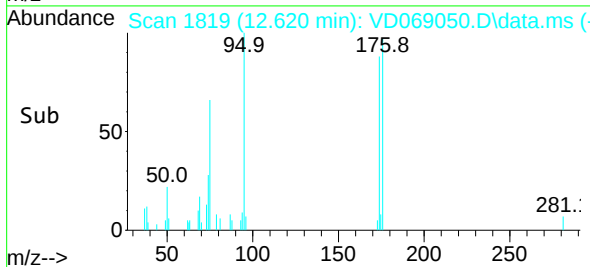
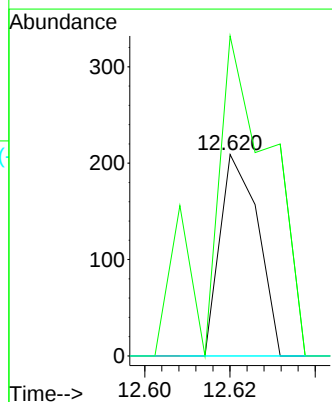
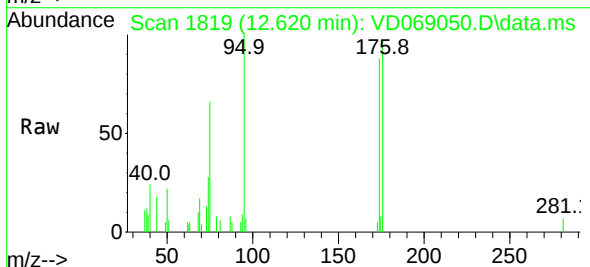


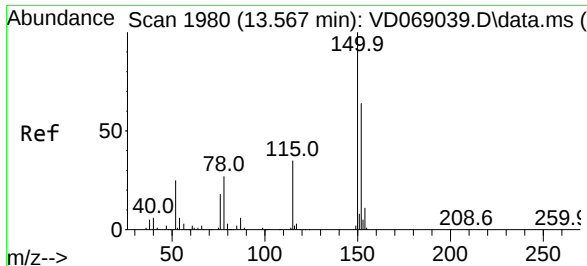
Tgt Ion:117 Resp: 19716
Ion Ratio Lower Upper
117 100
82 55.6 43.5 65.3
119 30.4 26.7 40.1



#71
Bromoform
Concen: 1.68 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Tgt Ion:173 Resp: 129
Ion Ratio Lower Upper
173 100
175 191.5 23.6 71.0#
254 0.0 0.0 0.0

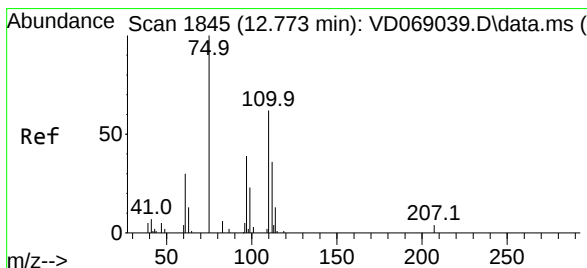
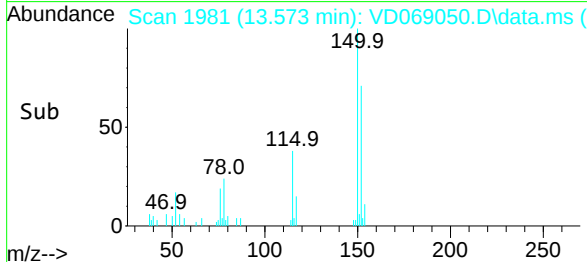
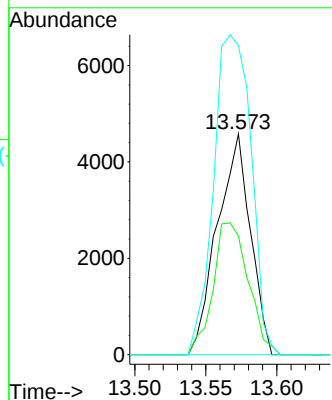
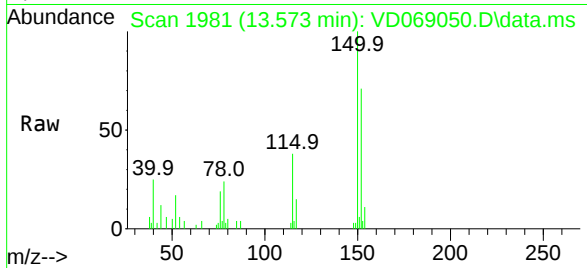




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

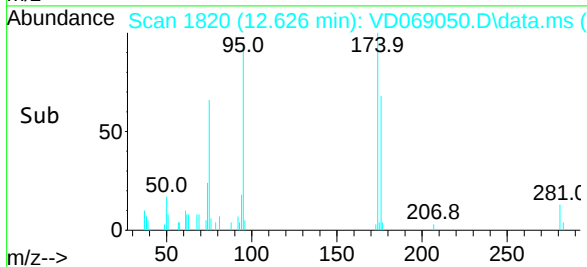
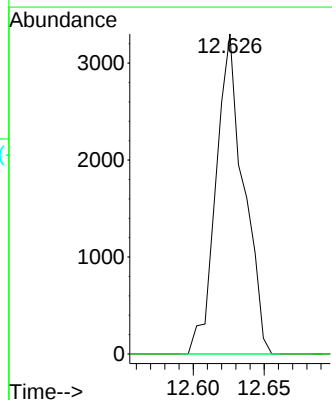
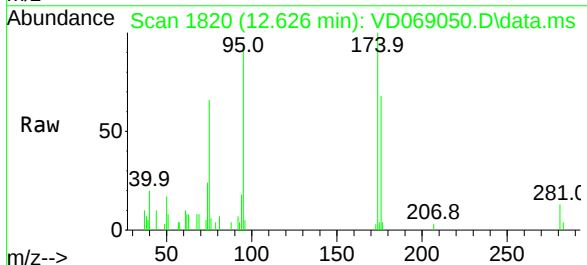
Instrument :
MSVOA_D
ClientSampled :

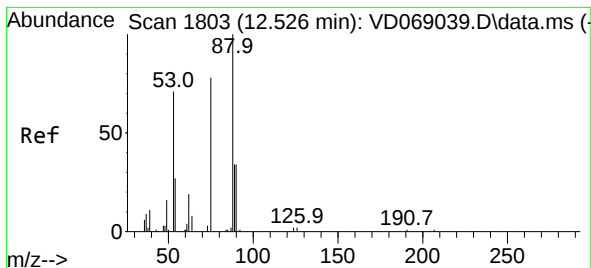
Tgt Ion:152 Resp: 7425
Ion Ratio Lower Upper
152 100
115 63.7 29.3 87.8
150 164.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 63.24 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Tgt Ion: 75 Resp: 4483
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

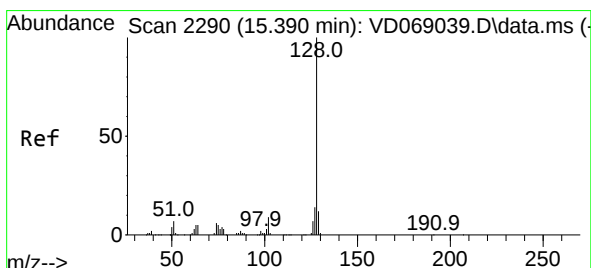
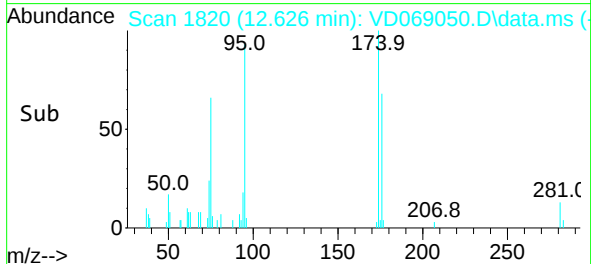
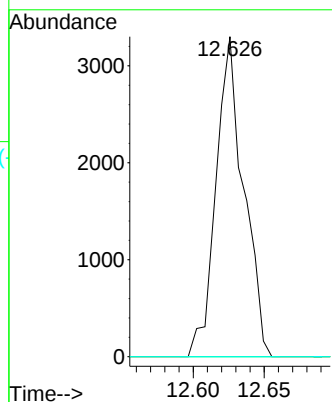
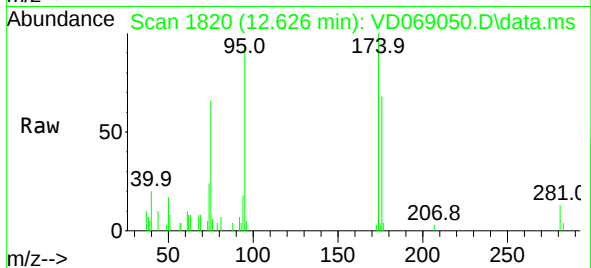




#81
trans-1,4-Dichloro-2-butene
Concen: 149.73 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 4483
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 2.17 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069050.D
Acq: 03 May 2021 19:12

Tgt Ion:128 Resp: 513
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.9 13.3#

